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June 2, 2006

TO: Mr. Russell Hart, RPM
United States Environmental Protection Agency
Region V
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

FROM: Mr. David Curnock, PM, SECOR International Incorporated 

RE: **MONTHLY PROGRESS REPORT/MEMORANDUM**
Area 9/10 Remedial Design
Southeast Rockford Groundwater Contamination Superfund Site
Rockford, Illinois

Copies: Mr. Thomas Turner, Regional Counsel, USEPA Region V
Mr. Scott Moyer, Hamilton Sundstrand/United Technologies Corporation
Ms. Kathleen McFadden, United Technologies Corporation
Mr. Thomas Williams, PM, IEPA
Mr. Terry Ayers, IEPA

CURRENT MONTH PROJECT ISSUES/STATUS: *(activities, meetings, deliverables, etc.)*

Activities conducted in May 2006 consisted of preliminary remedial design activities. These included preliminary remedial design document preparation, conducting a site walk of the area where the planned soil vapor extraction and air sparging points are planned, identifying potential locations for the remediation equipment, meeting with facility personnel to discuss the planned remedial action, and jet fuel recovery system operations in the South Alley.

The remedial design will consist of air sparge (AS) points and soil vapor extraction (SVE) wells in the western portion of the South Alley along with excavation and associated activities in the Former Outside Container Storage Area (OSA). Additional remedial design activities will be driven by the results of future investigation work within the current building footprint, as warranted. The AS and SVE remedial methods are those selected in the Record of Decision. The target date for the submittal of a Preliminary Remedial Design (30% Design) is the end of June 2006.

Supplemental RD activities beyond the initial design will be predicated on additional data or information gathered as access to areas within the building footprint becomes available. HS and USEPA will keep an open dialogue regarding the performance and timing of continued source identification activities for Area 9/10.

The operation and monitoring of hydrocarbon recovery of LNAPL (JP-4) from the recovery systems in the south alley continues. May activities consisted of monitoring of the recovery system operation. There was no measurable product in the three recovery wells (RW-1, RW-2 and RW-3R) as gauged on May 25, 2006.

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FUTURE PROJECT ISSUES/STATUS: *(activities, meetings, deliverables, etc.)*

Future project activities anticipated for June 2006 and beyond include:

- Development of the Preliminary Remedial Design (30% Design)
- Internal (HS) development of specific projects and timelines associated with the facility realignment and communication of these final plans with USEPA.
- Continue collection of water and product level data from the groundwater monitoring network on a periodic basis (next event scheduled for June) and
- Operation, maintenance, and monitoring of the South Alley recovery well system and evaluation of the LNAPL (JP-4) presence and recovery rates will continue.

SAMPLE/TEST DATA SUBMITTALS:

The groundwater potentiometric surface map generated from the water level gauging event on March 23, 2006 is provided as Figure 1.

RD SCHEDULE UPDATE: *(attach updated schedule as necessary)*

The Preliminary Remedial Design (30% Design) is scheduled for submittal at the end of June 2006. The submittal of final Remedial Design is anticipated to be submitted in the fourth quarter of 2006. With the many changes going on at the facility and the opportunity for substantial site constraints to be removed as part of the facility realignment process, it is desired that an open dialogue regarding the performance and timing of the continued source identification and design issues for Area 9/10 be maintained at this time.

REALIZED/ANTICIPATED PROBLEM CONDITIONS:

None.

PERSONNEL CHANGES:

None.



LEGEND:

- MONITORING WELL
- RECOVERY WELL
- PROPERTY BOUNDARY
- * BASED ON RW-3 SURVEY DATA

NOTES:

- GROUNDWATER ELEVATION DATA COLLECTED ON 03-23-06
- CONTOUR INTERVAL, 0.30 FT
- ALL DATA PRESENTED IN FEET ABOVE MEAN SEA LEVEL
- WATER TABLE WELLS 30-45 FT BGS
- MIDLEVEL WELLS 80-100 FT BGS *SMW-9, SMW-11R, AND SMW-13*
- DEEP WELLS 120-140 FT BGS *SMW-10, SMW-12, AND SMW-14*
- 694.33 - WATER LEVEL ELEVATION
- 694.64/694.61 - PRODUCT ELEVATION/WATER LEVEL ELEVATION () IF NO PRODUCT MEASURED
- 694.12 - UNDERLINED VALUE EXCLUDED FROM POTENTIOMETRIC SURFACE EVALUATION
- BGS - BELOW GROUND SURFACE
- ONLY WELLS SCREENED AT THE TOP OF THE WATER TABLE (30-45 FEET BGS) USED FOR POTENTIOMETRIC EVALUATION. DATA FROM MIDLEVEL, DEEP- PRODUCT WELLS, AND UNDERLINED DATA NOT USED.

BASE MAP DATA SOURCE: WINGIS - APRIL 27, 2001

\\s0671CAD\\DISE Rockford\\13JUN.0207\\2.00\\horizontal well plan\\081 CONTOUR 0505.DWG

<div><div><div></div></div><div>SECOR</div><div>446 EISENHOWER LANE NORTH LOMBARD, ILLINOIS 60148 PHONE: (630) 792-1680 FAX: (630) 792-1691</div></div>	FOR:		HAMILTON SUNDSTRAND ROCKFORD, ILLINOIS		GROUNDWATER POTENTIOMETRIC SURFACE MAP MARCH 23, 2006		FIGURE
	JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:		
	13JUN.0207\\2.02.0001	KEF	CAKW	DMC	5-26-06		